

Engineering built smarter. Solutions built to last.

Tuboshu delivers innovative, sustainable engineering built for Africa. Backed by decades of expertise, we design adaptive, high-performance solutions that solve real operational challenges. Our commitment to quality drives every project, supported by a trusted network for maintenance, technical assistance, and ongoing after-sales service.

Elevate Your Power



TUBOSHU⁷

© 2025 Tuboshu. All Rights Reserved

tuboshu.co.uk

Certain specification(s) are based on engineering calculations and are not actual measurements. Specification(s) are provided for comparison purposes only and are subject to change without notice. Specification(s) for your individual Tuboshu equipment will vary based on normal variations in design, manufacturing, operating conditions, and other factors. Pictures of Develon units may show other than standard equipment.

TUBOSHU⁷



MOTOR GRADER⁷
TG220

TECHNICAL SPECIFICATION

CHARACTERISTICS

Manufacturer	TUBOSHU
Model	TG220-D
Configuration Number	TUPY220UK

ENGINE

Model	Dongfeng Cummins 6CTA8.3-C215
Type	Direct injection, turbocharged, water-cooled
Rated Power	160 kW @ 2200 rpm
Max. Torque	908 N.m @ 1300 rpm

BLADE RANGE

Side Shift	Right 815 mm / Left 815 mm
Max Shoulder Reach	Right 2425 mm / Left 2425 mm
Max Lift Above Ground	450 mm
Max Grading Depth	535 mm
Max Blade Angle	90°
Blade Tip Angle	29°-77°

TRANSMISSION SYSTEM

Type	ZF electro-hydraulic power shift
Operation	Single-handle, neutral lock
Forward Speeds	6.86 / 11.78 / 15.51 / 26.17 / 32.59 / 50.86 km/h
Reverse Speeds	6.86 / 15.51 / 32.59 km/h

AXLES

Front Axle	610 mm clearance, ±16° oscillation
Rear Axle	Full-floating, NO-SPIN differential

TANDEM DRIVE

Tandem Oscillation	13° forward & reverse
Final Drive	Spiral bevel gear, single-stage
Tandem Drive	Double-row roller chain
Min Turning Radius	7400 mm

BRAKES

Service Brakes	Hydraulic drum brake
Parking Brakes	Inner-expanding drum, flexible shaft control

CABIN

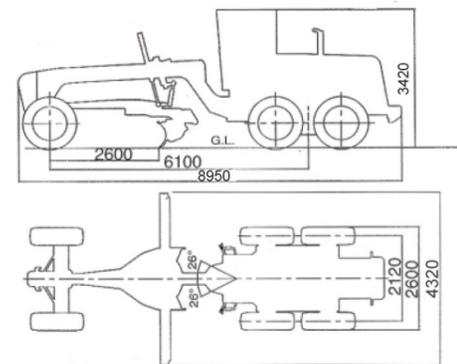
Vibration-absorbed humanistic cabin with adjustable steering wheel and seat and streamline dashboard provide low noise, air conditioning, comfortable operation and wide eyeshot.

MOLDBOARD

Dimensions	4320 × 545 × 16 mm
------------	--------------------

REFILL CAPACITIES

Fuel Tank	340 L
Crankcase	27 L
Transmission	28 L
Rear Axle	18 L
Tandem Housings	45 L × 2
Hydraulic System	90 L



TECHNICAL SPECIFICATION

OPTIONAL FEATURES

Air Conditioner	Tyre Size 14.00-24
ROPS Frame	Front Blade
Ripper	Automatic Leveling Device

SCARIFIER

No. of Teeth	11
Digging Width	1325 mm
Max. Lift Above Ground	344 mm
Digging Depth	212 mm

RIPPER

No. of Shanks	3 (max. 5)
Max. Digging Depth	436 mm
Max. Lift Above Ground	611 mm
Max. Digging Width	2196 mm

FRONT BLADE

Blade Width	2501 mm
Max. Lift Above Ground	579 mm
Max. Grading Depth	125 mm

Equipped with Dongfeng Cummins engine. Single-handle electro-hydraulic controlled power shift T/M, 6 forward & 3 reverse shifts makes operation easy and convenient. Optimum axle load allocation provides excellent stability while grading rough and rocky area. Box-Type frame and advanced T/M enable it to complete heavy-duty work. A wide working range is accomplished through flexible moldboard suspension system and articulated frame.

Best Matched Power Train



Equipped with Cummins engine that features strong power and low oil consumption. ZF transmission with single handle that features perfect performance and easy operation.

Imported Multil-way Valve & Booster



Adopted imported components in crucial places greatly enhance reliability.